

APPENDIX TABLE 6-7

Value added of MHT manufacturing industries, by region, country, or economy: 2001–16

(Millions of current dollars)

Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
World	1,464,201	1,508,828	1,696,166	1,900,630	2,012,673	2,196,550	2,499,071	2,713,370	2,370,692	2,857,262	3,131,804	3,334,653	3,418,794	3,533,982	3,325,441	3,326,054
North America																
Canada	34,205	35,729	37,755	39,594	41,951	43,224	45,257	40,059	32,771	41,074	48,462	50,481	49,440	50,064	43,932	41,739
Mexico	32,623	29,741	31,825	35,300	38,131	45,704	47,899	49,730	36,644	49,937	56,437	62,897	67,121	67,954	66,465	60,336
United States	418,294	425,757	435,049	445,925	455,338	487,335	497,881	474,569	421,681	488,034	527,639	560,933	585,932	607,158	619,614	619,053
Central and South America																
Argentina	6,732	3,185	4,269	5,494	6,948	8,612	11,032	14,495	13,706	16,065	19,589	20,558	20,565	16,869	15,340	12,605
Bolivia	67	63	64	67	71	75	80	116	134	138	150	159	174	185	195	223
Brazil	30,242	27,773	31,828	39,970	48,393	57,958	77,545	99,478	83,384	116,293	134,767	116,252	115,525	104,144	63,639	59,123
Chile	369	345	396	486	704	598	641	596	840	1,084	1,103	1,136	1,354	1,293	1,413	1,478
Colombia	2,290	2,391	2,385	2,818	3,454	3,978	4,979	5,534	5,104	6,196	6,729	7,203	7,099	6,951	5,560	5,132
Costa Rica	259	254	261	276	308	348	421	470	410	530	597	639	675	666	647	648
Ecuador	1,168	1,265	1,327	1,393	1,416	1,540	1,688	2,131	2,491	2,522	2,661	2,888	2,943	3,466	3,440	3,235
Honduras	288	292	298	289	332	361	390	431	427	433	509	562	556	574	570	568
Panama	25	23	23	24	25	27	36	41	46	47	48	65	67	70	69	69
Peru	2,631	2,395	2,931	3,177	3,597	4,217	4,506	5,029	4,452	5,526	6,289	7,194	6,880	6,359	5,526	5,412



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Uruguay	275	168	159	170	181	201	225	346	257	423	504	485	496	524	494	453
Venezuela	4,158	2,853	2,628	3,500	4,304	5,097	6,291	8,687	10,474	5,963	7,285	8,607	8,127	6,552	10,690	1,715
Europe																
EU	414,590	437,789	522,064	596,304	606,409	649,267	754,808	786,108	598,870	682,604	762,344	706,524	735,738	768,298	674,889	668,328
Austria	9,442	10,108	12,378	14,186	15,061	16,912	21,291	23,500	19,225	20,450	23,930	23,147	23,969	24,303	22,223	22,411
Belgium	12,319	13,041	15,283	16,903	17,765	18,342	19,889	20,934	17,007	17,567	19,413	17,940	18,502	18,239	16,625	15,948
Bulgaria	301	337	441	588	694	766	1,056	932	793	925	1,168	1,096	1,121	1,218	1,028	1,028
Czech Republic	4,540	5,165	6,150	8,178	9,771	11,771	15,151	17,741	14,358	16,060	18,680	17,594	17,260	18,872	17,637	18,078
Denmark	5,150	5,766	6,294	7,167	7,128	8,169	9,821	11,342	8,861	8,685	8,626	8,552	9,512	9,635	9,722	9,978
Finland	5,145	4,889	5,838	6,952	7,492	8,342	10,348	11,636	9,045	9,433	11,494	9,787	10,322	10,436	9,218	9,276
France	42,319	42,971	49,588	56,465	55,252	53,320	61,696	64,960	53,844	54,493	56,229	50,658	52,483	52,068	44,743	45,090
Germany	161,789	171,699	210,259	239,650	240,558	265,653	309,080	322,455	245,947	297,092	339,409	320,402	334,414	353,512	302,031	301,572
Greece	1,591	1,543	1,948	2,294	2,253	2,418	2,864	3,345	2,699	2,518	2,259	1,819	1,755	1,680	1,403	1,453
Hungary	2,805	3,469	4,614	5,836	6,763	7,297	9,372	10,003	7,471	9,092	9,900	9,041	10,250	11,397	11,002	10,428
Ireland	6,989	9,465	9,640	9,333	8,565	8,426	10,681	10,840	8,727	9,921	10,121	9,882	9,713	14,029	16,035	14,417
Italy	48,370	50,815	61,125	70,843	71,502	77,210	90,350	94,539	76,941	78,786	83,387	73,795	75,165	74,486	65,220	65,862
Netherlands	13,247	14,299	17,860	21,460	21,896	23,869	27,990	29,461	20,441	25,861	30,818	27,866	27,186	27,883	25,460	25,741
Poland	7,697	7,695	9,346	12,163	14,351	13,539	17,355	21,111	16,218	17,242	20,035	17,236	18,633	18,903	15,880	15,697
Portugal	3,686	3,722	4,274	4,612	4,257	4,358	5,073	5,433	4,402	4,718	4,864	4,129	4,390	4,387	3,568	3,533



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Romania	1,111	1,136	1,365	1,735	2,199	2,849	3,959	4,932	3,872	4,408	5,292	4,892	5,794	6,295	5,238	5,577
Slovakia	1,251	1,488	1,858	1,890	1,632	2,109	3,305	3,473	2,981	4,221	4,921	4,713	5,424	5,616	4,697	4,843
Spain	23,818	25,237	30,708	35,740	36,785	39,486	44,591	45,506	34,166	35,932	37,643	32,180	33,122	33,643	26,563	26,902
Sweden	13,292	14,124	17,151	18,871	19,212	20,639	24,369	21,752	13,270	20,075	24,527	21,830	23,038	21,929	20,471	20,515
United Kingdom	49,726	50,820	55,944	61,439	63,274	63,794	66,568	62,212	38,603	45,125	49,627	49,965	53,686	59,764	56,123	49,977
Other Europe																
Norway	2,643	2,917	3,500	3,813	4,443	5,130	6,593	7,748	6,790	7,076	8,439	8,594	9,272	9,190	7,634	6,929
Russia	13,125	12,653	13,598	20,447	26,834	33,329	44,815	60,720	32,201	39,186	52,031	50,944	51,335	45,491	27,548	28,290
Switzerland	12,006	12,840	14,341	15,751	16,171	17,350	19,526	22,644	20,672	22,461	26,388	22,617	23,468	23,790	22,235	21,455
Turkey	4,979	6,191	8,261	10,335	12,504	14,010	16,738	19,893	13,304	15,745	18,777	17,813	18,764	18,110	16,526	16,006
Ukraine	709	841	1,153	1,559	1,999	2,469	3,259	4,216	2,995	4,313	5,767	5,997	5,896	4,021	1,188	1,124
Middle East																
Bahrain	145	152	164	178	239	322	415	526	418	482	557	588	623	642	537	534
Iran	4,365	5,188	6,267	7,385	8,338	11,329	13,725	14,972	18,880	19,644	30,026	22,519	16,990	18,598	17,688	19,196
Israel	1,854	1,728	1,756	1,833	1,942	2,570	3,062	4,130	3,935	3,995	4,387	3,750	4,023	4,111	3,866	3,903
Jordan	343	422	401	475	496	619	755	916	929	812	755	777	879	712	664	632
Kuwait	543	705	796	1,043	1,212	1,038	1,403	1,796	1,714	2,028	2,189	2,538	2,421	2,300	1,741	1,648
Oman	292	301	331	368	457	449	612	792	1,538	1,458	3,108	4,269	4,377	4,095	3,323	2,797
Qatar	143	149	239	669	691	784	1,896	3,405	6,242	3,310	4,693	5,812	5,984	6,294	5,809	5,662



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Saudi Arabia	5,293	5,565	6,715	7,338	8,649	9,837	14,525	15,253	16,235	20,473	22,822	24,431	24,492	27,158	21,580	19,300
United Arab Emirates	315	329	349	390	439	492	534	622	535	576	670	735	767	781	692	695
Africa																
Cameroon	16	34	34	46	49	51	57	98	98	99	112	111	124	135	120	127
Egypt	1,378	1,278	1,049	1,373	1,596	1,757	2,182	2,761	3,038	3,419	3,605	4,029	3,673	4,551	5,427	4,526
Ghana	225	261	318	356	423	503	538	544	445	520	643	586	612	534	424	453
Kenya	181	181	215	249	242	337	471	513	506	492	516	578	604	642	649	677
Morocco	1,483	1,641	1,830	1,943	2,312	2,370	2,889	3,356	3,104	3,667	4,480	4,210	5,008	5,535	4,745	4,638
Nigeria	1,186	1,613	1,778	2,146	2,840	3,822	4,479	5,602	5,255	6,611	8,307	10,403	13,627	16,507	14,091	10,238
Senegal	74	92	111	119	116	98	91	114	109	114	155	127	107	108	108	107
South Africa	6,083	5,901	8,725	10,930	11,945	10,319	10,538	10,001	9,266	10,962	10,825	11,437	10,531	10,072	9,448	8,470
Tunisia	627	565	693	824	939	1,145	1,576	1,988	1,780	2,174	2,171	2,137	2,133	2,214	1,879	1,749
Asia																
Bangladesh	635	627	586	579	577	617	681	775	1,021	1,073	1,052	1,043	1,221	1,539	1,935	2,145
China	116,539	131,285	157,270	177,783	209,844	256,589	340,782	451,382	492,848	621,086	760,804	833,613	926,770	1,001,694	1,023,750	1,048,523
India	13,245	14,052	16,898	21,173	25,340	28,755	35,916	37,394	41,025	49,891	60,793	53,998	53,886	53,973	56,846	58,555
Indonesia	10,168	10,196	12,792	14,283	13,619	14,345	18,059	23,434	22,851	29,369	35,903	39,237	43,691	43,991	42,091	45,477
Japan	240,367	234,670	263,671	304,459	313,891	321,011	333,756	370,332	306,619	382,124	273,560	443,274	361,957	353,073	296,672	318,103
Malaysia	4,698	5,508	6,060	7,407	6,918	8,704	8,541	9,811	8,150	10,674	11,592	12,558	11,967	12,251	11,759	11,325



Region, country, or economy	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Pakistan	1,303	1,426	1,929	2,834	3,479	3,497	3,762	4,082	3,371	4,122	5,214	5,336	5,082	5,597	5,962	6,048
Philippines	1,669	1,774	1,786	1,955	1,958	2,014	2,366	2,803	2,886	3,308	3,425	3,452	4,000	4,326	4,965	4,887
Singapore	2,963	3,334	3,643	5,075	5,264	5,539	7,075	5,754	6,487	8,523	10,193	8,574	10,782	11,398	8,972	8,649
South Korea	33,950	38,364	43,468	51,009	60,529	68,239	77,867	69,552	63,455	85,500	101,332	102,503	110,718	121,635	116,838	109,490
Sri Lanka	293	344	393	433	558	3,074	1,649	981	1,000	1,042	1,219	1,186	1,339	1,589	1,650	1,623
Taiwan	16,407	17,675	18,650	21,676	23,473	20,948	23,053	20,291	20,292	28,082	29,119	27,720	28,394	29,861	31,893	29,853
Thailand	6,796	7,517	9,207	11,121	12,800	15,509	18,483	21,235	17,735	19,512	19,725	20,289	20,618	17,509	17,502	17,706
Vietnam	951	1,146	1,363	1,713	2,288	3,067	3,866	5,413	5,055	5,351	5,661	6,364	6,689	7,282	7,942	8,572
Australia and Oceania																
Australia	6,851	8,062	10,947	12,829	13,454	13,851	16,328	17,596	14,550	18,885	23,237	21,435	20,783	18,962	14,093	13,630
New Zealand	1,143	1,279	1,621	1,942	2,242	2,115	2,527	2,105	1,665	2,236	2,438	2,486	2,497	2,582	2,169	2,192

EU = European Union; MHT = medium high technology.

Note(s)

Value added is the amount contributed by a country, firm, or other entity to the value of a good or service and excludes purchases of domestic and imported materials and inputs. MHT manufacturing industries include motor vehicles, electrical machinery, and apparatus; chemicals excluding pharmaceuticals; railroad and other transportation equipment; and machinery and equipment. Data are not available for EU members Cyprus, Estonia, Latvia, Lithuania, Luxembourg, Malta, and Slovenia. China includes Hong Kong. Detail may not add to total because of rounding or minor discrepancies. See Appendix Table 6-1 for a full list of countries and economies in each region.

Source(s)

IHS Global Insight, World Industry Service database, accessed 17 July 2017.

Science and Engineering Indicators 2018